BOQ

ABSTRACT FOR TENDER(BOQ)		
Name of the work: Vin Field layout park main road Jakkur Ward No-05.(Yalahanka)		
A)	TOTAL CIVIL WORKS	1,41,00,892.00 1,33,19,095.00
B)	TOTAL HORTICULTURE WORKS	48,31,895.00 48,31,856.00
C)	TOTAL ELECTRICAL WORKS	24,88,321.00
D)	MISCELLANEOUS AND ROUND OFF	15,14,931.00 22,96,728.00
	TOTAL PROJECT COST	2,29,36,000.00

TEAM LEADER - BBMP
AMRUT - PDMC
IPE GLOBAL LTD.
BANGALORE - 560002.

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Name of the work: Vin Field layout park main road Jakkur Ward No-05.(Yalahanka)

I.NO	Description	Unit	Quantity	Rate	Amount
A)	**CIVIL WORKS:**				
1	Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, In area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials within a lead of 100 metres from road boundary, labour charges complete as per specifications. as directed by the engineer incharge of the work.	sqm	6997.22	6.36	44502.00
2	Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m. In depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods specifications. as directed by the engineer incharge of the work.**for compound ,gate and gazebo(3.5MX3.5Mand 6.5mx6.5m)& rainwater harvesting structure**	cum	479.18	200.34	95999.00
3	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement@180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. As directed by the engineer incharge of the work..for **compound,gate and gazebo(3.5MX3.5Mand 6.5mx6.5m)& rainwater harvesting structure,**	cum	80.19	5159.02	413687.00
4	Providing and constructing granite/ trap /basalt size stone masonry in foundation with Cement mortar 1:6, stone hammer dressed in courses not less than 20 cms high, bond stones at two m. Apart in each course including cost of materials, labour, curing complete as per specifications. As directed by the engineer incharge of the work	cum	139.56	4438.22	619411.00
5	Providing and constructing granite/trap/ basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.As directed by the engineer incharge of the work,**for compound&gate and gazebo(3.5MX3.5M)**	cum	68.14	5305.30	361498.00
6	Providing flus pointing to coursed stone masonry with cement mortar 1:3 , 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications,. As directed by the engineer incharge of the work	sqm	206.76	102.82	21259.00
7	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320 kgs, with 20mm and down size graded granite metalcoarse aggregates @ 0.878cum and fine aggregates @ 0.459cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. As directed by the engineer incharge of the work,.**for open stage and gazebo 3.5mx3.5mand 6.5mx6.5m&rain water harvesting structure**	cum	29.04	6371.66	185053.00
8	Providing T.M.T Steel reinforcement for RCC work including styraightening ,cutting ,bending ,hooking, placing in position ,lappingand/or welding where ever required ,tying with binding wire and anchoring to the adjoining members where ever nessassary complete as per design (laps and westage shall not be measured and paid) cost of mateial,labour HOM of machinary complete as per specifications ,As directed by the engineer incharge of the work,**for gates &rain water harvesting structure**	Tonne	1.86	59413.00	110266.00
9	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. As directed by the engineer incharge of the work	sqm	14.40	191.86	2763.00
10	Fencing with welded steel wire fabric 75mmx50mm. Providing 1.2m heigh fencing with angle iron post 50mm x 50mmx6mm at 3.0m c/c with 0.4m embeded in M15 grade cement concrete, corner, end and every 10th post studed, provided with welded steel wire fabric of 75mm x50mm mesh or 75mmx25mm mesh and fixed toiron posts by flat iron 50x5mm and bolts etc complete in a over compound walls as per using 16mmx16mm MS square rod @ 150mm c/c spacing and 6mmx40mm M.S. @ horizontal and 6mm x12mm M.S flat for ornamental design and providing shop edge design at the vertex of every verticle rods, including welding, grinding ll respects as per specifications, As directed by the engineer incharge of the work	per meter	235.02	530.00	124561.00

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11	Providing & fixing MS grill over existing compound wall as per using 16 mm x 16 mm MS square rod at 150 mm c/c spacing and 6 mm x 40 mm MS flats at horizontal and 6 mm x 12 mm MS flat for ornamental design & providing sharp edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust & painted with anticorrosive paint (shop paint) etc, complete. The work includes cost of all materials, labour charges for all items of work, hire charges for building, cutting & grinding, equipment & electricity charges etc. complete as per specifications.As directed by the engineer incharge of the work	sqm	220.00	5537.44	1218237.00
12	Providing and fixing MS gate as per chief architect drawing using 50mmx50mm 14 gauge MS hallow pipe frame work bent to ornamental shape as shown in the drawing and 35mmx6mm and 16mm square rods for verticles alternatively spaced @4cm c/c in two halves and 40mmx 6mm MS flats for horizontal member and at the top cast iron spikes are provided at alternate verticle members as shown in the drawings. all the steel surface should be thouroughly cleaned free of rust and painted with anticorrosive paint (shop paint) etc. the work includes cost of all materials , labour charges for all items of work, higher charges for welding, cutting and grinding equipments, and electricity charges complete as per specifications. As directed by the engineer incharge of the work	sqm	19.80	3110.04	61579.00
13	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. As directed by the engineer incharge of the work,**for gates, MS grill and gazebo(3.5MX3.5M&6.5mx6.5m)**	sqm	336.55	86.92	29253.00
14	Providing and supplying with necessary umbrella type bolts&nuts for ms plate fixing with bolt&connecting material for erecting 150x150x6mm thickness ms box section as per specifications and as directed by the department officers.for base plate&anchor bolts .	kg	118.60	127.00	15062.00
	&anchor bolts, As directed by the engineer incharge of the work, .	nos	80.00	134.62	10770.00
15	Providing and filling in foundation with granite /trap broken metal 100mm and down size , with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift .complete as per specifications, and as directed by the department officers.	cum	21.78	2240.84	48805.00
16	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli grey granite in cement mortar CM 1:4 proportion, cut to required shape pattern with paper joints finished with cement mortar using white cement and colour pigments to match the colour of slb making through jointing with sealent grooves in joints including cost of all materials , mortar, labour, curing etc,. complete as per specifications minimum width of 1200 mm as per specifications ,As directed by the engineer incharge of the work	sqm	29.46	2105.16	62018.00
17	Providing and fixing of 150x150x10mm thick M.S Box section columns Fabricating, supplyinf and erecting MS Angular trusses for all spans as per apprroved design and drawings. The entire trusses is anchored suitably by using 4 Nos of anchor bolts at each support, with base plate shoe plate.the work includes straightening ,placing in position of MS Angle and welding whereever necessary and applying one coat of red oxide primer coat to all the members including cost of materials, labour charges and hire charges of machinery for cutting, welding, grinding and erection equipments etc,complete as per specifications,As directed by the engineer incharge of the work	kg	9889.39	124.02	1226482.00
18	Providing and fixing of Mangalore tiles roofing using first class tiles with necessary special tiles for ridges and hips, teak wood reepers of size 50x25mm and pointed with cement mortar 1:4 over the existing rafters including cost of materials , labour,curing complete as per specifications,As directed by the engineer incharge of the work	sqm	110.43	1,273.06	140584.00
19	Providing, laying, spreading and compacting crushed stone aggregates of granite/ trap/ basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to the site , laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.As directed by the engineer incharge of the work	cum	275.00	1768.08	486222.00
20	Providing & laying heavy duty cobble stones 60 mm thick interlocked pavers, using cement & coarse sand for manufacture of blocks of approved size, shape & colour with a minimum compressive strength of 281 Kg/sqm over 50 mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints in to its final level, including cost of materials, labour and HOM of machineries complete as per specifications ,As directed by the engineer incharge of the work for pathway & open 2yom area	sqm	1100 +180 = 480.00 1280.00	966.72	464026.00 1,23,802.00

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21	Providing and fixing pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete size 450 x 200 x 400 mm	Nos	2811.11	385.84	1084639.00
22	Rain bow climber::All round and rectangular pipes are GI or CR,ISI make.Gauge 14 gauge,2coating are red oxide and final paints of industrial paint, Nut bolt GI, bearing heavy ,(branded).FRP thickness-4-5mm ,swing assembly6mm chain with rubber coating,as directed by the engineer incharge of the work.	Each	3.00	12204	36612.00
23	sea saw double:.All round and rectangular pipes are GI or CR,ISI make.Gauge 14 gauge,2coating are red oxide and final paints of industrial paint, Nut bolt GI, bearing heavy ,(branded).FRP thickness-4-5mm ,swing assembly6mm chain with rubber coating,as per sketch and engineer incharge of the work	Each	8.00	14121.5	112972.00
24	Arch swing two seater:All round and rectangular pipes are GI or CR,ISI make.Gauge 14 gauge,2coating are red oxide and final paints of industrial paint, Nut bolt GI, bearing heavy ,(branded).FRP thickness-4-5mm ,swing assembly6mm chain with rubber coating,as per sketch and engineer incharge of the work	Each	6.00	32146	192876.00
25	supplying and fixing FRP Rabbit dust bins As directed by the engineer incharge of the work &As per drawings.	Each	26.00	5,310.00	138060.00
26	Two way slide.All round and rectangular pipes are GI or CR,ISI make.Gauge 14 gauge,2coating are red oxide and final paints of industrial paint, Nut bolt GI, bearing heavy ,(branded).FRP thickness-4-5mm ,swing assembly6mm chain with rubber coating, per drawing and specifications and as directed by the engineer incharge of the work.	Each	7.00	52,855.00	369985.00
27	Standing mary go round:All round and rectangular pipes are GI or CR,ISI make.Gauge 14 gauge,2coating are red oxide and final paints of industrial paint, Nut bolt GI, bearing heavy ,(branded).FRP thickness-4-5mm ,swing assembly6mm chain with rubber coating,as per sketch and engineer incharge of the work	Each	4.00	24,476.00	97904.00
28	Duck mary go round:All round and rectangular pipes are GI or CR,ISI make.Gauge 14 gauge,2coating are red oxide and final paints of industrial paint, Nut bolt GI, bearing heavy ,(branded).FRP thickness-4-5mm ,swing assembly6mm chain with rubber coating,as per sketch and engineer incharge of the work	Each	4.00	24,092.50	96370.00
29	supplying and fixing FRP CI-STRIP Benches As directed by the engineer incharge of the work &As per drawings.	Each	35.00	14160	495600.00
30	Providing and filling sand in Kids play area with all leads and lift complete as per specification.As directed by the engineer incharge of the work.	cum	165.00	2263.1	373412.00
31	supply and fixing of **HD Health Walker** Metal::All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burts.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikgh quality grip rubber is used for the handles bearings .maintenance -free ball bearings .scope of delivery 1 completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey: all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agencey such as IPEMA,TUV,CPSC,or SGS only .the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must clearly display the GS mark as has been issued in the EN16630 saftey certificates.all product must carry a GS mark on it. size(LxWxH) 2015x615x1360mm , weight:93kg , saftey area:5015x3015mm capacity	Each	2.00	129600	259200.00
32	supply and fixing of **HD Squat pushing** Metal::All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burts.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikgh quality grip rubber is used for the handles bearings .maintenance -free ball bearings .scope of delivery 1 completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey: all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agencey such as IPEMA,TUV,CPSC,or SGS only . the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must clearly display the GS mark as has been issued in the EN16630 saftey certificates.all product must carry a GS mark on it. size(LxWxH) 2270x635x1640mm , weight:60.2kg , saftey area:5300x3685mm capacity	Each	2.00	180800	361600.00

1,25,600 2,51,200.00

1,76,000 3,53,600.00

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33	Supply & Fixing of **Double Ski Walker** Metal: All tubular steel of 2.5MM thickness are glavanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an apprvoed MIG Process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer paint is applied at all the weldin, points prior to dinishing. All metal parts are powder coated using AKZO nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray macjine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 Hrs. Rubber: High quality grip rubber is used for the hadles. Bearings: Maintenance free ball bearings. Scope of Delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested ans certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified internaltional certifying agency such as IPEMA, TUV, CPSC or SGS only. The GS Mark EN16630 Cetificates must be in the name of tendering party and not any 3rd Party. All products must clearly deplay the GS Mark as has been issued in the EN 16630 safety certificates. Size_LxWxH: 1065 x 615 x 1364 mm. Weight: 51 KG Safety Area: 4090 x 3555 mm, Capacity 1 Person.As per sketch and as per Engineer	Each	2.00	1,96,000.00 200000 1,96,000	400000.00 3,92,000.00
34	Supply and fixing of **HD Situp Station** Metal:All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burts.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikgh quality grip rubber is used for the handles bearings .maintenance -free ball bearings .scope of delivery 1 completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey. all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agencey such as IPEMA,TUV,CPSC,or SGS only . the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must clearly display the GS mark as has been issued in the EN16630 saftey certificates.all product must carry a GS mark on it. size(LxWxH) 1412x1366x650mm , weight:42.6kg , saftey area:4462x4078mm capacity 2	Each	2.00	1,44,800.00 148800 1,44,800	297600.00 2,89,600.00
35	supply and fixing **pull down challenger** metal- All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burts.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikgh quality grip rubber is used for the handles bearings .maintenance -free ball bearings .scope of delivery 1 completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey: all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agencey such as IPEMA,TUV,CPSC,or SGS only . the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must clearly display the GS mark as has been issued in the EN16630 saftey certificates.all product must carry a GS mark on it. size(LxWxH) 2570x805x20582685mm , weight:85.4kg , saftey area:6287x4858mm	Each	2.00	2,15,200.00 219200 2,15,200	438400.00 4,30,400.00
36	supply and fixing of **seated chest press** metal- All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burts.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikgh quality grip rubber is used for the handles bearings .maintenance -free ball bearings .scope of delivery 1 completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey: all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agencey such as IPEMA,TUV,CPSC,or SGS only . the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must clearly display the GS mark as has been issued in the EN16630 saftey certificates.all product must carry a GS mark on it. size(LxWxH) 1955x733x2058mm , weight:86.6kg , saftey area:5545x4470mm capacity 2	Each	2.00	2,28,000.00 232000 2,28,000	464000.00 4,56,000.00

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37	supplying & fixing of **Tai Chi Spinners** Metal:All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burts.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikgh quality grip rubber is used for the handles bearings .maintenance -free ball bearings .scope of delivery 1 completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey: all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agencey such as IPEMA,TUV,CPSC,or SGS only . the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must clearly display the GS mark as has been issued in the EN16630 saftey certificates.all product must carry a GS mark on it. size(LxWxH) 1120x1150x1620mm , weight:39kg , saftey area:3520x3550mm capacity	Each	2.00	129600	259200.00
38	Supply and fixing of **HD Waist Twister** Meatl:All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burts.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikgh quality grip rubber is used for the handles bearings .maintenance -free ball bearings .scope of delivery 1 completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey: all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agencey such as IPEMA,TUV,CPSC,or SGS only . the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must clearly display the GS mark as has been issued in the EN16630 saftey certificates.all product must carry a GS mark on it. size(LxWxH) 1460x1310x1150mm , weight:39.1kg , saftey area:43600x4510mm capacity	Each	2.00	148800	297600.00
39	supply and fixing of **Bicycle Metal:** All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burts.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikgh quality grip rubber is used for the handles bearings .maintenance -free ball bearings .scope of delivery 1 completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey: all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agencey such as IPEMA,TUV,CPSC,or SGS only . the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must clearly display the GS mark as has been issued in the EN16630 saftey certificates.all product must carry a GS mark on it. size(LxWxH) 1000x498x1290mm , weight:51.5kg , saftey area:3400x3498mm capacity 2 persons.As per sketch and as directed by the	Each	2.00	148800	297600.00
40	providing and laying heavy duty cubble stone 60mm thick interlocked pavers and course sand for manufacureof blocks of approved size, shape, and colour with minimum compressive strength of 281 kg per sqm over 5o mm thick sand bed (average thickness) and compacting with plate vibrator compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints in to its final level, including cost of materials, labour and HOM of machineries complete as per specifications ,as directed by the engineer incharge of the work.**For open gym area**	cum	150.00	966.72	145008.00
41	Providing and fixing of ready made FRP toilet for the use of public utilizing the park as per drawing and as directed by the engineer incharge of the work.	Each	1.00	42480	42480.00
42	Geophysical investigation of site for sinking bore well for supply drinking water to the habitation either through the Hand Pump. MWS or PWSS by vertical electrical sounding by adopting Venner or schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing ground infecundity its quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top in consolidated formation of proper scatting of casing pipe ,depth of drilling required to cover full depth of auquifer propopsed to be tapped Proboabale yield and other information required including transporetation technical personal and labour etc ,as directed by the engineer incharge of the work	Each	2	2065	4130.00

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43	Sinking of borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG and above 900 CMF and above in all strata including over burden upto 20m, fixing of casing pipes, collars and cap with necessary welding, cutting and treading including transportation of rig and supporting vehicles, screw charges and cost of consumables, etc.. complete including yleld testing at the final depth with a minimum working of compressor for one hour.(excluding cost of casing pipes, collars, caps etc.,)As directed by the engineer incharge of the work				
44	a) 0.00 to 50.00 mts	Rmtr	100	315.18	31518.00
45	b) 50.00 to 100.00 mts	Rmtr	100	412	41200.00
46	c) 100.00 to 150.00 mts	Rmtr	100	458	45800.00
47	d) 150.00 to 200.00 mts	Rmtr	100	484.1	48410.00
48	e) 200.00 to 250.00 mts	Rmtr	100	560.32	56032.00
49	f) 250.00 mtrs & above	Rmtr	100	560.32	56032.00
50	Supply of ISI mark 175 mm nominal bore,plain end steel casing pipe grade of steel fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, eletric resistence welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mts. Both ends threaded confirming to IS 554/1985, one end fixed with socket conforming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight should be with ISI marking, weighing 25.10Kg/mtr (inclusive of all taxes and duties). Prices including collar medium duty.As directed by the engineer inchargeof the work .a) Casing pipe,As directed by the engineer inchargeof the work	rmtr	60	1325	79500.00
51	Supply of 175mm MS Cap. As directed by the engineer inchargeof the work	Each	2	100	200.00
52	Supply of 175mm *MS Collar. As directed by the engineer inchargeof the work*	Each	16	150	2400.00
53	Supply and delivery of submersible pump sets suitable for borewell of 165mm dia with specified duty conditions as detailed below and satisfying performance characteristics for pump and motor specified in BIS with ISI mark with a minimum efficiency of 42% pump shall confirm to IS 8034/2002 and motor conforming to IS 9283/1995 with ISI Certification ,**7.50 HP/9.3 KW Sub mersible pump set**, As directed by the engineer inchargeof the work	Each	2	54300	108600.00
54	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper conductor cofirming to table 3 class 5 to IS 8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 volts with specified IS 694:1990 and confirming to the attwached GTP of Group A 3C x 6.0 Sq.mm, As directed by the engineer inchargeof the work	meter	560	188.7	105672.00
55	Errection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair of supporting clams, borewell cap, cable clips with bolts, nuts, valve gauges etc., involved in the job. (Necessary G.I.Pipe and specials will be supplied by the board at the site free of cost), As directed by the engineer inchargeof the work	nos	2	1710	3420.00
56	Providing and fixing in position 50mm Nominal bore non- return valve vertical type of approved make including cost of all materials, labour and HOM of equipment with all leads compleate as per specification. As directed by the engineer inchargeof the work	nos	2	1544.4	3089.00
57	Supplying and fixing 50mm GI Union.As directed by the engineer inchargeof the work	nos	4	223.7	895.00
58	Supplying and fixing 50mm GI Elbow.As directed by the engineer inchargeof the work	nos	2	122	244.00
59	Supplying and fixing *50mm GI Nipple. .As directed by the engineer inchargeof the work*	nos	4	104.3	417.00
60	Supplying and fixing 50mm heavy duty GI Collars. *As directed by the engineer inchargeof the work .*	nos	92	100	9200.00
61	LT Metering box with CTs and neceesary wiring for housing ETV ,meterAs directed by the engineer inchargeof the work	nos	2	6363	12726.00
62	Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 50mm dia nominal bore with fittings (medium grade weight 1.27 Kg/mtr) B class including cost of all materials, labour charges, HOM of equipment and testing complete as per specifications.as directed by the engineer incharge of the work.	Rmtr	540	465.48	251359.00
63	Erection of combined panel board and meter unit with necessary materials & labour including providing cement concrete foundation bed concrete door type etc complete.as directed by the engineer incharge of the work.	nos	2	425	850.00
64	Supplying of TPST with rewireable porcelain channels in SM encloser Made out of 14 SWG Powder coted paint of approved colour 32 amps Group A ..as directed by the engineer incharge of the work.	nos	2	1868	3736.00
65	Supplying and fixing 20"x20"x2.5" polished wood board made up not less than 15cm thick plank with front plank one end provided for holding at other end fixing the same of the valve using through bolts and nuts,as directed by the engineer incharge of the work.	nos	2	302	604.00
66	Supplying & Fixing LED type panel board indicating lamp with required colour suitable for 220 V AC 50 HZ 12/24 V DC ,as directed by the engineer incharge of the work.	nos	2	430	860.00

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67	Wiring for lighting/ power circuit using one of FRLS PVC insulated 1100V grade multistrand copper conductor single core wire in open or concealed system of wiring as per IS 694:1990 & conforming to the attached GTP of Group A. 4 Sqmm. as directed by the engineer incharge of the work.	meter	70	42.1	2947.00
68	Fixing a shunt capacitor upto 5 KVAR capacity with necessary clamps, bolts and nuts on existing wooden or metal board including banking of more than one capacitor. As directed by the engineer incharge of the work.	meter	6	120	720.00
69	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts with provision for fixing suitable type capacity MCB's single phase/3 Phase/ single door with powder coated painting. Made out of 14 SWG M.S enclosure. 12 Way SP & N As directed by the engineer incharge of the work.	nos	2	1047	2094.00
70	Supplying and fixing wiring, earth electrode for grounding conduits IC Cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI Pipe 2.5 Mtr long buried in a pit..... The pit should be filled with equal proportion of salt and charocoal 150mm alround the pipe to complete depth. The connections from the pipe to the conduit etc, is to be established though GI Wire of size as per ISI Specification 7.3.3 of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 122 mm dia.As directed by the engineer incharge of the work.	nos	2	2727	5454.00
71	Supplying Fully automatic Star delta starter unit push button type with suitable wires 3 Contractors and adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400 /440 volts phase and wired after fixing to the existing wooden board for motor Group A ,II above 15 HP up to 25 HP ,as directed by the engineer incharge of the work	nos	2	6583	13166.00
72	Supplying and fixing Class-A (Medium duty) -GI pipe wall thickness not less than 3.25mm on pole/wall/Drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 65mm,as directed by the engineer incharge of the work	meter	12	585	7020.00
73	Supplying laying of 1.1 KV class L.T.U.G Cable having aluminium conductor PVC insulated extruded inner shethed galvanised steel strip (except 2C x 10 Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with speicified IS-1554, Part-1:1988 & confirming to the attached GTP of Group A 3.5 core to 25Sqmm, as directed by the engineer incharge of the work	meter	30	165.6	4968.00
74	Labour charges for Laying of 1.1 KV Class UG cable 6 Sqmm to 16 sqmm ,as directed by the engneer incharge of the work	meter	30	10.8	324.00
75	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating in Hard soil etc., complete. complete as per specifications andas directed by the engineer incharge of the work	meter	30	106	3180.00
76	Supplying and fixing LT cast iron pot heads suitable for 1.1 KV class UG cable filled wiith necessary bitumen / insulating compound complete. With terminals, clamps, bolts nuts and washers etc.complete for 16 Sqmm as per specification,as directed by the engineer incharge of the work	nos	2	280	560.00
77	Supplying and fixing Porcelain fuse channel with cut out on the existing wooden block & wiring complete 32 amps,,as directed by the engineer incharge of the work	nos	6	180	1080.00
78	Earthwork excavation for pipeline trenches including depositing on bank up to a lead of 50 meters including shoring and strutting , danger lighting and using sight rails and oning rods at every 100 mtrs whereever necessary as directed in the following strata manual means in hard soil,.As directed by the engineer incharge of the work.	cum	216.00	195.04	42129.00
79	Providing and installing at site of work 63mm (0.662) pvc pipes of 6kg /cum 2 including cost of pipes and special labour including lowering into trenches laying true to line level and perfect linking at joints , leak proof including jointing of approved type with all labour and lift charges handling charges including encasing the pipes all round to a depth of not less than 15cms with gravel or selected earth available from the excation etc...As directed by the engineer incharge of the work.	/rmtr	400.00	90.10	36040.00
80	Giving hydraulic test upto 80mm CI/RCC/PVC/HDPE or AC pipeline ,.As directed by the engineer incharge of the work.	No	400.00	2.25	899.00
81	Refilling the basement and pipeline trenches with selected available earth from trench excavation including watering,consolidation in layers of 15cm thick including disposing of the surplus earth with lead of 200 metres,.As directed by the engineer incharge of the work..	meter	360.00	73.03	26292.00
82	Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer black or blue and inner white layer of approved quality and make, confirming to ISO/SSI specifications. .As directed by the engineer incharge of the work.	/Litre	5,000.00	6.36	31800.00
83	Providing and constructing burnt brick masonary with hoey comb work with approved quality of non modular bricks of standard size of class designation 5.00 Newton per sqmm(table moulded) with cement mortar for basement and superstructure including cost or materials, labour charges, scaffolding, curing complete as per specifications..As directed by the engineer incharge of the work.	Cum	17.44	6923.92	120743.00

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84	Providing 12mm thick cement mortar plaster in single coat with cement plaster in single coat with cement mortar 1:3 to brick masonary including rounding off corners whereever required smooth rendering, providing and removing scaffolding,including cost of materials, labour, curing complete as per specifications..As directed by the engineer incharge of the work.	Sqm	41.12	191.86	7890.00
85	supplying and fixing of only manhole covers heavy duty to suit the existing manhole rings with all lead and lift charges.As directed by the engineer incharge of the work.	Nos	4.00	669.92	2680.00
86	Providing and filling in foundation with granite/trap/broken metal 100mm and down size , with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift complete as per specification. (work will be extracted seperately for broken metal and sand ie, layer by layer to act as a filter media)As directed by the engineer incharge of the work.	Cum	22.34	2240.84	50061.00
87	providing and filling sand in foundation upto plinth to required depth for subsoil treatment including watering, ramming with all lead and lift , Filling the recharge well by good river sand over coarse aggregate to act as a filter media.complete as per specifications. Filling the recharge well by good river sand over coarse aggregate to act as a filter media..As directed by the engineer incharge of the work.	Cum	11.17	2263.10	25279.00
88	Providing and fixing FRP security cabin in the location as mentioned by the architect of size 5x5x7m height ,.As directed by the engineer incharge of the work.	No	1.00	63,720.00	63720.00
B)	**HORTICULTURE WORKS:**				
89	Removal of dried leaves solid waste and cleaning of the area,as directed by the engineer inchrge of the area	Sqm	4892	4.52	22112.00
90	Digging pits of size 0.75mX0.75mx0.75m for planting of trees filling up to 50% of the pits with top excavated soil & remaining 50% with the mixture of sand (0.007 cum, Fym(0.014 cum), Red earth (0.021 Cum) (i.e, in the preparation of 1:2:3) Exclusive of cost of plants & inclusive ingredients.	Each	50	245.32	12266.00
91	supply and planting trees 5' Height as directed by the engineer incharge of the work	Each	50	200	10000.00
92	Supplying & stocking good quality red earth for filling top layer to a depth of 0.15 m (4892x0.24)=1174cum as directed by the engineer inchrge of the area	Cum	1148	438.75	503685.00
93	Formation of Soil by manual means in gravelly soil including breaking of clods spreading to required line and level forming cost of all materials labour etc,. complete as per specifications (Excluding watering and compaction of earth) with all lead and lift gravelly soil.	Cum	1148	126.14	144809.00
94	Digging pits of size 0.45X0.45x0.45 for planting shrubs in isolated filling up to 50% of the pits with top excavated soil & remaining 50% with the mixture of sand (0.007 cum, Fym(0.014 cum), Red earth (0.021 Cum) (i.e, in the preparation of 1:2:3) Exclusive of cost of plants & inclusive ingredients.as directed by the engineer inchrge of the area	Each	1000	56.39	56390.00
95	supply and planting trees as directed by the engineer incharge of the work	Each	1000	75.00	75000.00
96	Developing the area for shrubs by digging to a depth of 0.45m, filling 50% with sand (0,0375 cum) FYM (0.075 cum), Red earth (0.21), (i.e in the proportion of 1:2:3) and planting with well established plants exclusive of cost of plants and inclusive of ingredients.	Sqm	2100	255.15	535815.00
97	supply and planting trees as directed by the engineer incharge of the work (5 Plants per sq.m)	Sqm	1500	300.00	450000.00
98	Developing the area for ground cover plants by digging to a depth of 0.45m, filling 50% of the area with excavated top soil & remaining 50% with sand (0.0375 cum), Fym (0.075 cum), Red Earth (0.112 cum). (i.e, in the Preparation of 1:2:3) Exclusive of cost of plants & inclusive ingredients (5 plants per sqm)as directed by the engineer inchrge of the area	Sqm	300	255.15	76545.00
99	Developing hedges by digging trenches of size 0.45mX0.45m, filling 50% of the trench with excavated top soil & remaining 50% with the mixture of sand (0.0112cum), Fym (0.0224 cum) i.e, in the proportion of 1:2:3) Exclusive of	Rmt	2000	83.41	166820.00
100	supply and planting trees as directed by the engineer incharge of the work (5 Plants per sq.m)	Rmt	2000	75.00	150000.00
101	Providing & forming mound using red earth by filling, spreading and leveling to the required grade as per design	Cum	350	363.00	127050.00
102	Cleaning the site by scrapping and removing top layer of soil, removing unwanted debris, grass, along with excavated earth to a distance of 500m from the spot, including pathway area Total: area: Sqmx0.15m=1800	Sqm	2300	34.52	79396.00
103	Earth work digging including removing weeds, debris if any and breaking of clumps watering etc. area Sqmx0.45as directed by the engineer	Sqm	2300	48.58	111734.00
104	Digging for second time & removing weeds, if any minor leveling to a depth of 0.45mas directed by the engineer inchrge of the area	Sqm	2300	24.29	55867.00

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105	Supply and stacking good quality red earth etc,. for filling the top layer to depth of 0.15m (1x1x0.15) (2300*0.15=345)as directed by the engineer inchrge of the area	Cum	345	438.75	151369.00
106	Providing Sand FYM and Red earth in the ratio of 1:3:6 and Spreading to a depth of 7.5cm at the required site.Red earth (0.045cum/sqm) Rs 12.60as directed by the engineer inchrge of the area	Sqm	2300	151.68	348864.00
107	providing chemical fertilizers like Super phosphates (50gm/sqm Rs.0.22/Sqm) Neem oil cake (250gm/sqm Rs 1.10/Sqm) Bone meal (250gm/sqm Rs 2.75/sqm) Potash (50gm/sqm Rs. 0.23/sqm)	Gm/sqm	2300	5.62	12926.00
108	supply and fixing of Bermuda grass,as directed by the engineer incharge of the work	Sqm	2300	10.23	23529.00
109	Labour cost towards dibbling/laying of lawn inclusive of mixing of ingredients application of manure and spreading (5x5cum)as directed by the engineer inchrge of the area	Sqm	2300	40.73	93679.00
~~110~~	Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, In the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, In the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer inchrge of the area				0.00
~~111~~	a)Caryota Urens (240cm-300cm ht)	Each	70	2500.00	175000.00
~~112~~	b)Ficus Benjimina Starlight (90cm-150cm ht)	Each	70	2500.00	175000.00
~~113~~	c)Ficus Benjimina Black (90cm-150cm ht)	Each	70	2500.00	175000.00
~~114~~	d)Ficus Ponda (90cm-150cm ht)	Each	71	1500.00	106500.00
~~115~~	e)Pulmeria Alba (150cm-240cm ht)	Each	20	4500.00	90000.00
~~116~~	f)Cycas Revoluta a) 90cm Dia, 100 cm ht	Each	73	1000.00	73000.00
~~117~~	g)Raphis Excelsa (60cm -90cn ht)	Each	70	2000.00	140000.00
~~118~~	h)Roystonia Regia (180cm-240cm ht)	Each	70	450.00	31500.00
~~119~~	i)Dypsis Medagascariensis (120cm-180cm ht)	Each	82	1500.00	123000.00
~~120~~	j)Yucca species silver/Filimentosa marginata(Golden)(90cm-150cm ht)	Each	50	1500.00	75000.00
~~121~~	k)Plumeria rubra(150cm -240cm ht)	Each	50	2500.00	125000.00
~~122~~	l)Nalina(elephant foot) (90cm-150cm ht)				
~~123~~	Providing and fixing of sprinkler system with in the site by using 25mm/10kg, 40mm/6kg, 50mm/6kg good quality PVC pipes, ISI marked sprinklers, control valves and fittings etc,. Including excavation and back filling trenches, (Excluding of Providing Borewell, Electrification & Pump) As per the specification and direction of the concerned officer. Rates may be quoted as per data rate specific to the filed condition.as directed by the engineer inchrge of the area	Each	80	2000.00	160000.00
c)	**Electrical works:**				
123 ~~124~~	Fabricating, supplying and erection of ...Mtrs long hot dip Galvanized Conical pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for .....Mtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottom .....mm, top....mm with 3mm thick, suitable base plate and 4Nos of ..... long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc.,(excluding foundation) as per drawing appended.4 meters - Top 75mm and bottom 115 mm dia,As directed by the engineer incharge of the work.	Nos	60	7236.00	434160.00
	5)7 meters - Top 75mm and bottom 145 mm dia,As directed by the engineer incharge of the work.	Nos	5	14040.00	70200.00
124 ~~124~~	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-	Mtrs	1450	140.40	203580.00
	5)3.5 core 25 sqmm,As directed by the engineer incharge of the work.	Mtrs	100	165.50	16550.00
125	Labour charges for lying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct.b)25sqmm to 75 sqmm,As directed by the engineer incharge of the work.	Mtrs	1450	10.5	15225.00
	b)25sqmm to 75 sqmm,As directed by the engineer incharge of the work.	Mtrs	100	16.2	1620.00
126	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete,As directed by the engineer incharge of the work.	Per Mtr	1000	78.00	78000.00

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